

## Preparation of LB plates

Approximate formula (per liter) of Luria Broth Agar Base (Difco)

Pancreatic Digest of Casein	10.0 g
Yeast Extract	5.0 g
Sodium Chloride	0.5 g
Agar	15.0 g

1. Dissolve 30.5 g of Luria Agar Base powder (Difco) in 1 L of deionised double-distilled water (ddH<sub>2</sub>O).
2. Autoclave at 121°C for 15 minutes. Cool to 45-50°C.
3. Pour ~20 mL of LB agar in each 10 cm polystyrene Petri dish.

### Preparation of LB plates with antibiotics

1. Dissolve 30.5 g Luria Agar Base powder (Difco) in 1 L of ddH<sub>2</sub>O.
2. Autoclave at 121°C for 15 minutes. Cool to 45-50°C.
3. Add appropriate antibiotics and mix thoroughly; 1.0 mL of chloramphenicol stock (100 mg/mL) was added to a final concentration of 100 µg/mL; 0.68 mL of ampicillin stock (50 mg/mL) was added to a final concentration 34 µg/mL.
4. Pour ~20mL of LB agar in each 10 cm polystyrene Petri dish.